

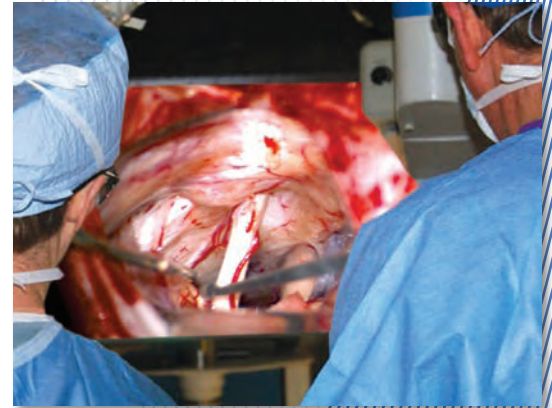


**TrueVision**<sup>®</sup>  
S Y S T E M S , I N C

**Intelligent 3DHD Visualization for Microsurgery**

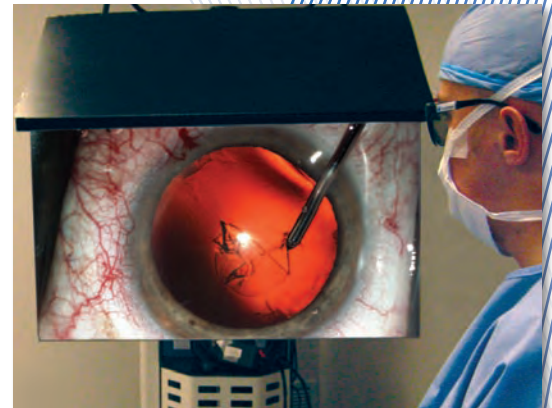
## Neurosurgery

**TrueVision** has been used as both the primary and secondary visualization for neurosurgical procedures that include aneurysms, brain and pituitary tumors. No matter the approach or procedure, the system provides ergonomic benefits of a heads-up display to alleviate fatigue while providing perfect visualization of the operative field.



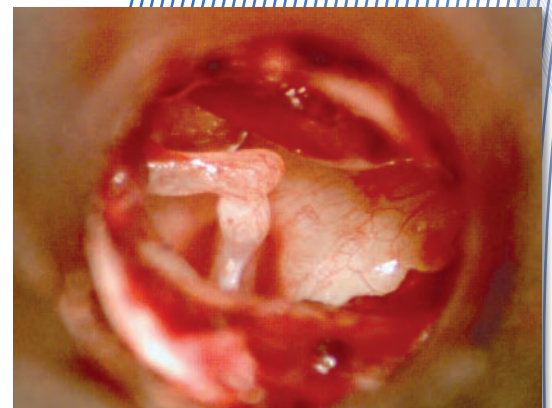
## Ophthalmology

The **TrueVision** System is ideally suited to visualizing the anatomy of the eye. It is proven effective for cataract, refractive, retinal, corneal, and strabismus surgeries. The System provides twice the depth of field compared to the view through the oculars reducing the amount of time spent focusing the microscope during a procedure.



## Otolaryngology and Spine

The sensitivity of **TrueVision's** 3D camera and the high resolution of the 3D display system lend itself to viewing intricate anatomies of the head, neck and spine. The digital image enhancement capability enables the fine tuning of the camera to light sensitivity and picture quality during surgery where deep pockets may limit the illumination.



## Education and Marketing

**TrueVision** provides simple 3DHD recording and, for the first time, allows others to observe surgical procedures exactly as the performing surgeon does. Residency programs, medical schools, surgical conferences, and medical device companies are distinguishing themselves by adopting the **TrueVision** 3DHD medium as their standard teaching platform. Using TrueVision to better educate both surgeons and patients creates competitive differentiation for hospitals and surgery centers by enhancing their technology profile in the marketplace.



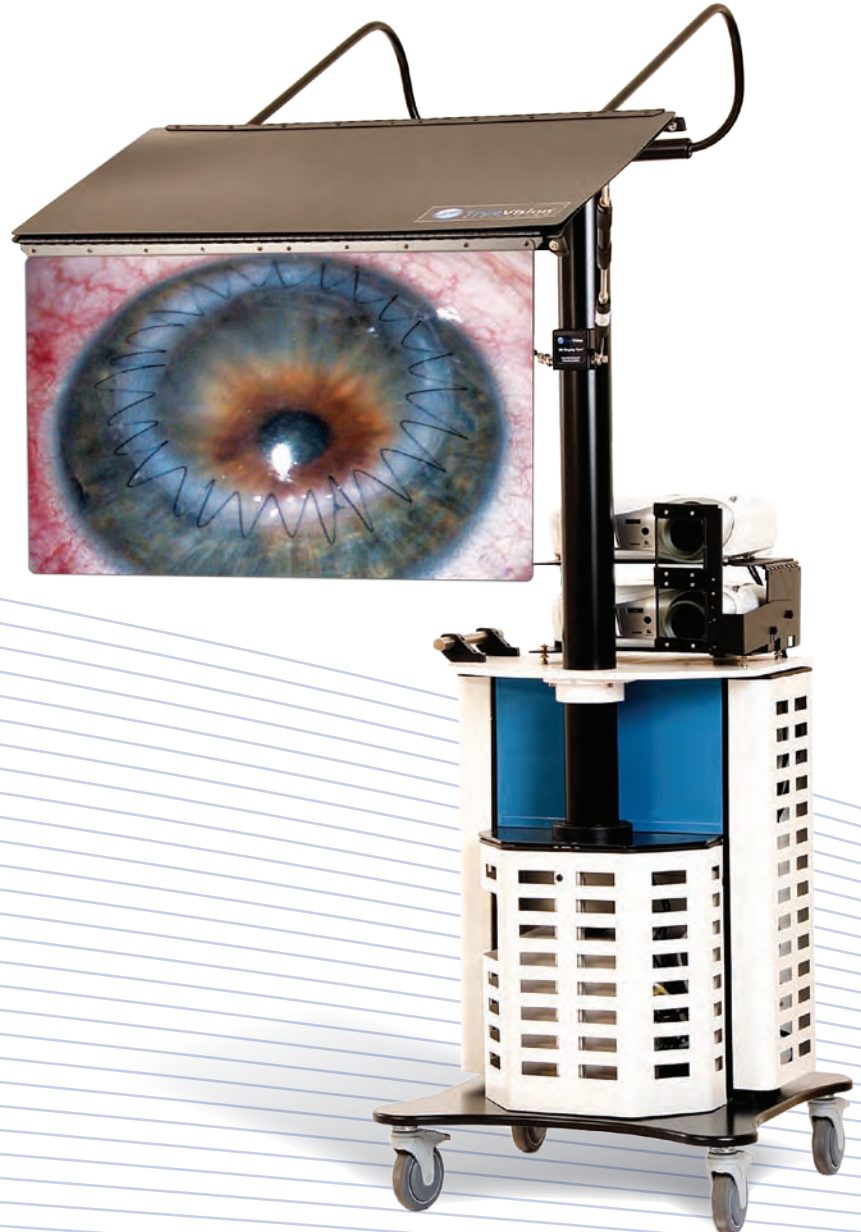


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Digital 3D HD visualization virtually places the surgeon within the operative field for a superior surgical experience

Compared to conventional optical stereo microscopy, the **TrueVision** System further provides the surgeon:

- Better visual acuity
- Twice the depth of field
- Superior ergonomics
- Enhanced operating room team synergy
- Integrated 3D high definition case video capture
- Volumetric space awareness
- Platform for intelligent image fusion and interoperative measurements



## The Next Generation of Visualization in Microsurgery

Combining the digital processing power of microelectronics with the optical engineering of microscopy, **TrueVision** 3D visualization provides an entirely new generation of stereo microscopy imaging — beyond the limits of the analog optical paradigm. The System is comprised of three key components, a high definition 3D camera, an image processing unit with user-friendly software and a 3D projection system.

## An Extensible Platform for Intelligent Image Fusion

The **TrueVision** System hardware solution integrates with a set of software technologies that will drive microsurgery forward. The extensible platform provides the core technologies for the integration of diagnostic imaging modalities. Tele-medicine and collaborative opportunities are enabled by the ability to store and transmit images and video in 3DHD.

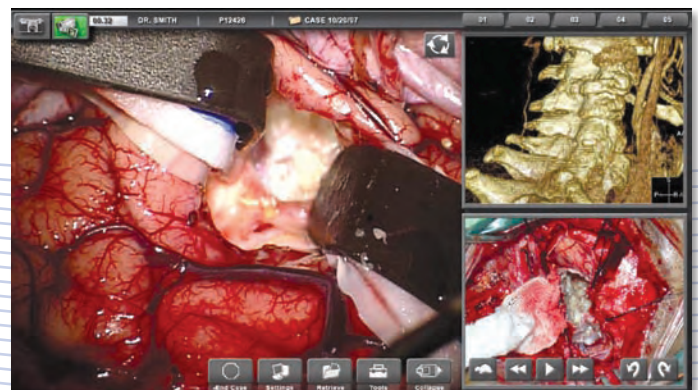
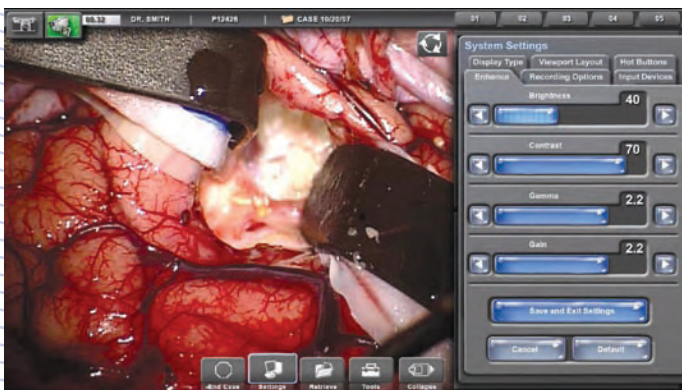


## Integrates Into Today's OR

The **TrueVision** System integrates into the operative suite seamlessly. The System's 3D camera retrofits to most existing surgical microscopes and is easy to install and use in the operating room. Surgeons report immediate benefit from the improved ergonomics, operative efficiencies and synchronicity with the OR team.

## Digital Imaging Opportunity

The ability to capture and replay 3D case footage in high-definition provides significant opportunities for presentation, education, collaboration and marketing. Digital image store, 3D HD video capture and editing capabilities are enabled by an integrated, user-friendly software interface.



## About TrueVision Systems

**TrueVision** Systems Inc. is a medical device company focused on improved patient outcomes and efficiencies through better visualization during microsurgery. **TrueVision** has developed and patented an intelligent, real-time 3D HD vision platform along with a suite of specific software applications that uniquely facilitate the integration and management of disparate imaging modalities widely used in surgery.

Founded in 2003, **TrueVision** Systems has attracted a senior technical staff of veteran medical device industry engineers. The executive staff possesses the experience to grow technology start-ups into thriving successful companies. The Company manufactures and sells the **TrueVision** 3DHD vision system for microsurgery as well as licenses its technology for medical imaging and industrial applications.



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